

SIEMENS

ARCADIS

SP

Installation and Startup System

Installation Video Splitter

Valid for

- ARCADIS Varic
- ARCADIS Orbic

© Siemens AG 2005

The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

Print No.: SPR2-310.814.05.02.02
Replaces: SPR2-310.814.05.01.02

English
Doc. Gen. Date: 01.05

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

The installation and service of equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates or who are otherwise authorized by Siemens or one of its affiliates to provide such services.

Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.

1

Prerequisites

4

Prerequisites.

4

General requirement.

4

Required documents.

4

System requirements

4

Required parts

4

Tools

5

Safety information

5

2

Installation and settings

6

Work sequence.

6

Installation of the video splitter

6

Final work steps

11

3

Changes to Previous Version

12

Prerequisites

General requirement

The following monitor specifications are required for use with the video splitter:

- SX VGA
- 1280 x 1024
- 75 Hz

Required documents

n.a.

System requirements

n.a.

Required parts

Video splitter "Live" option, 14 400 894

Part no.: 80 81 882, 1x video splitter + mechanical components
incl. rear cover

and if desired

Video splitter "Reference" option, 14 400 895

Part no.: 80 81 890, 1x video splitter

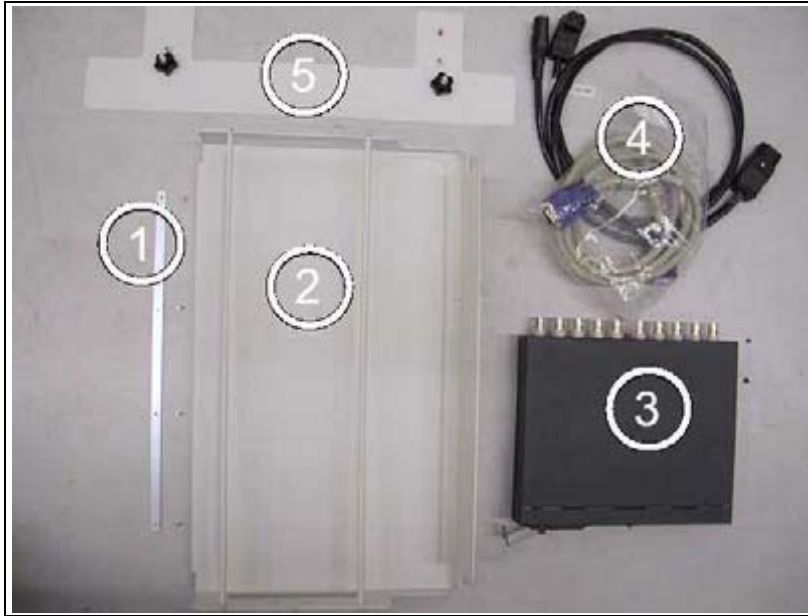


Fig. 1: Kit

- Pos. 1 Threaded plate
- Pos. 2 Mounting frame
- Pos. 3 Video splitter
- Pos. 4 Line and VGA cables
- Pos. 5 Slider

Tools

Tool kit

Safety information



WARNING

Risk of physical injury or death and property damage!

Noncompliance can lead to death, physical injury or property damage.

Strictly follow:

- ⇒ The product-specific safety information in these instructions
- ⇒ The general safety information in the instructions TD00-000.860.01... and
- ⇒ The general safety information according to ARTD part 2.

Work sequence

Installation of the video splitter

NOTE

These instructions describe installation of the option for the "live" and the "reference" monitor.

If only the "live" option is available, carry out the cabling and the mechanical installation for the "live" monitor.

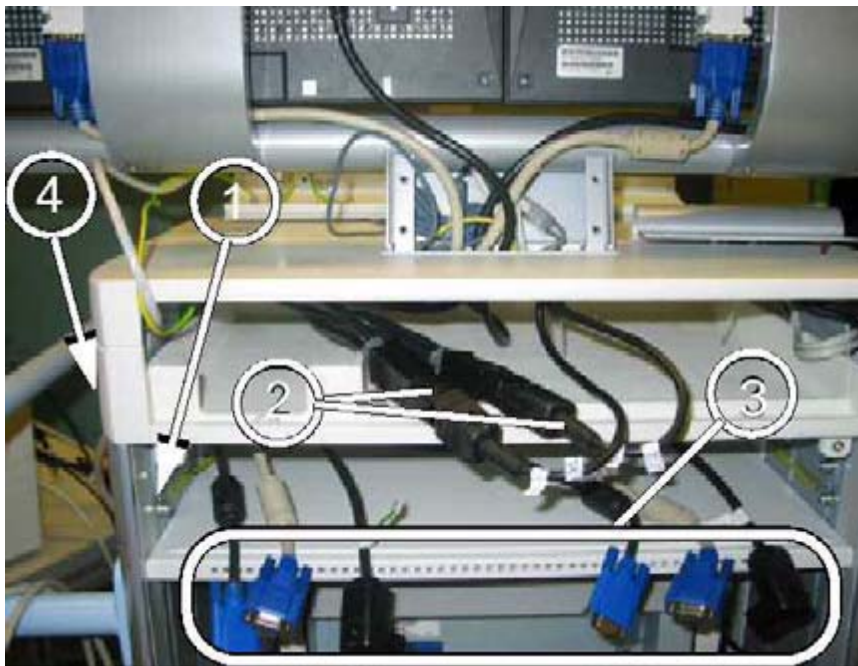


Fig. 2: Cables

1. Remove the rear and side covers of the monitor trolley (already performed in [\(Fig. 2 / p. 6\)](#) and [\(Fig. 3 / p. 7\)](#)).
2. Check if the space of 4 mounting holes ([1/Fig. 2 / p. 6](#)) is available at the slot. If not, displace the panel because the space is necessary for the video splitter.



Fig. 3: Power cable

3. Disconnect the power cable from the live monitor and reference monitor (if option is available) and pull this cable back to the location shown in [\(2/Fig. 2 / p. 6\)](#).
4. Use the supplied kit to run the power cables as shown in [\(\(4/Fig. 2 / p. 6\)](#) and [\(Fig. 3 / p. 7\)](#)). The angle plug must be inserted into the round cable duct inlet as shown in [\(Fig. 3 / p. 7\)](#).
5. Pull the angle cable plug of each distributor cable to location [\(3/Fig. 2 / p. 6\)](#).
6. Connect the distributor cable (straight plug) to the disconnected power cable of the monitors [\(2/Fig. 2 / p. 6\)](#).
7. Connect the 2nd piece of the distributor cable (straight plug) to the corresponding monitor as shown in [\(Fig. 2 / p. 6\)](#).

8. Disconnect the monitor VGA cable from the live monitor and reference monitor (if option is available). Pull the cable(s) back to the location shown in [\(2/Fig. 2 / p. 6\)](#)

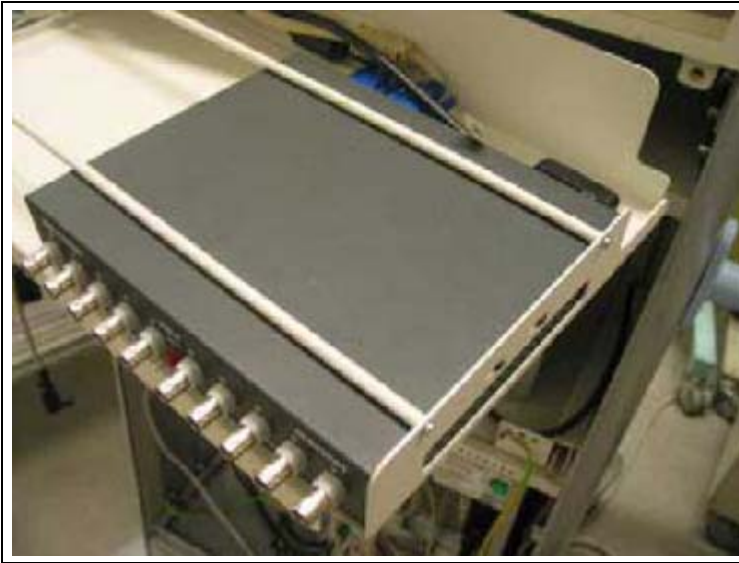


Fig. 4: Mounting

9. Use the supplied kit to pull the VGA cable(s) from location [\(3/Fig. 2 / p. 6\)](#) to the monitor(s) and connect it/them to the monitor(s). Run the cables as shown in [\(Fig. 3 / p. 7\)](#).

10. Mount the video splitter for the live monitor on the mounting rack as shown in (Fig. 4 / p. 8).

If a video splitter for the reference monitor is available, mount it next to the video splitter for the live monitor.

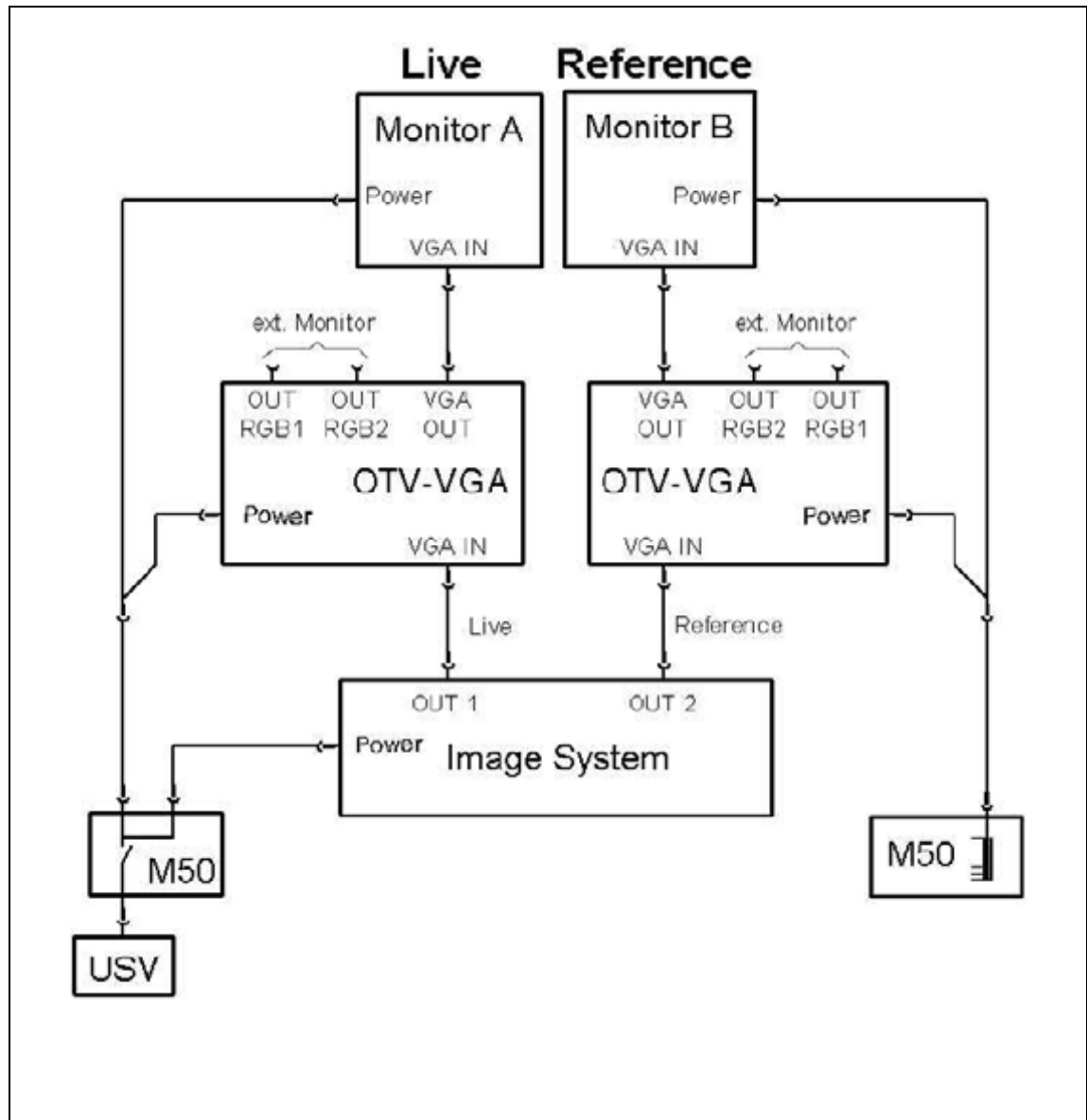


Fig. 5: Wiring diagram

11. Switch the line switch of the video splitter on.

12. Connect "VGA IN", "VGA OUT" and "Power" to the video splitter according to the wiring diagram (Fig. 5 / p. 9).



Fig. 6: Connection

13. Push the video splitter mount into the monitor trolley slot and screw it on via the threaded plate (Fig. 6 / p. 10).

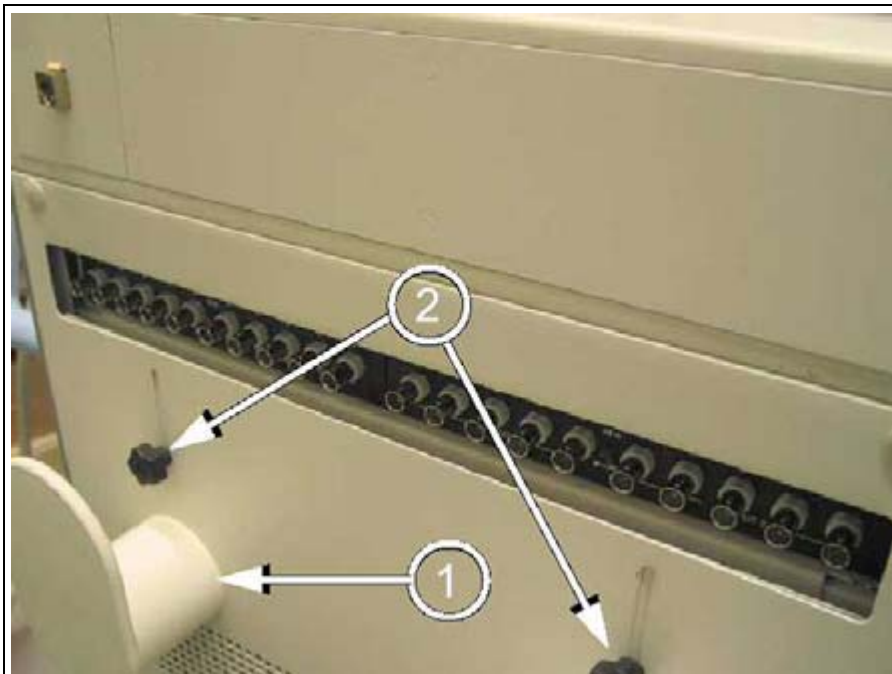


Fig. 7: Slider

14. Connect the external monitors to the corresponding "RGB OUT" connectors on the video splitter.

15. Mount the cable holders (1/Fig. 7 / p. 10) from the old rear cover on the new rear cover.
16. Mount the slider (2/Fig. 7 / p. 10) on the new rear cover.



Fig. 8: Labels_

17. Affix the new labels as shown in (Fig. 8 / p. 11).

Label 80 80 882 for the live monitor.

Label 80 80 890 for the reference monitor.

18. Reattach all covers and switch the system on.

Final work steps

1. Perform a functional check.
2. Check the image on all connected live and reference monitors.

n.a.; initial publication.